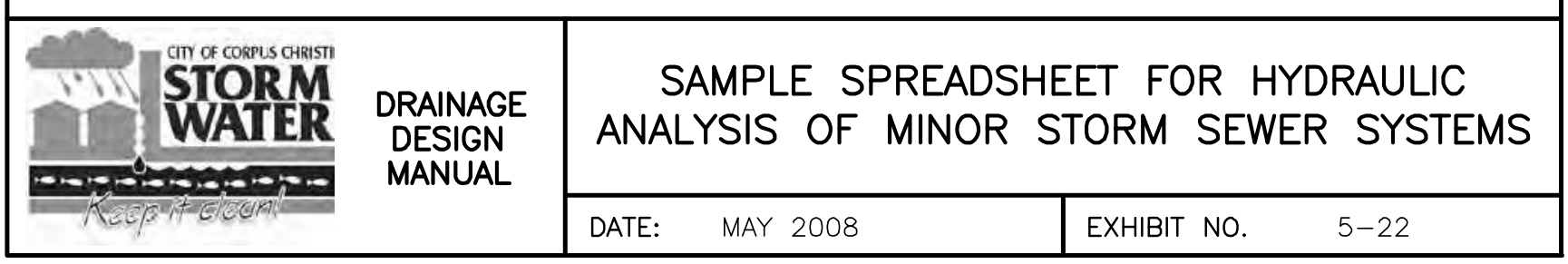
STORM SEWER DESIGN SPREADSHEET

Line	Node Number U/S	Node Number D/S	Pipe Segment Length (ft)	Pipe Material	Manning's Coefficient (n)	Pipe Size (ft)	Pipe Slope (%)	Drainage Area (ac)	Runoff Coefficient (C)	Total Drainage Area (ac)	Composite Runoff Coefficient (C)	Time of Concentration (min)	Intensity (in/hr)	Total Flow (cfs)	Design Flow (cfs)	Design Velocity (fps)	Actual Velocity (fps)	Losses Friction (ft)	Losses Minor (ft)	Losses Total (ft)	Hydraulic Grade Line (HGL) U/S (ft)	Hydraulic Grade Line (HGL) D/S (ft)	Manhole Drop (ft)	Pipe Flow Line U/S (ft)	Pipe Flow Line D/S (ft)	Top of Curb Elevation (ft)	Depth from Gutter to HGL (ft)



DRAINAGE DESIGN MANUAL

SAMPLE SPREADSHEET FOR HYDRAULIC ANALYSIS OF MINOR STORM SEWER SYSTEMS

DATE: MAY 2008

EXHIBIT NO. 5–22